

CLAIMS

1. A recording apparatus comprising:  
setting means for setting a keyword;  
broadcast signal reception means for receiving a broadcast signal broadcast from a broadcast station;  
recording means for preliminarily and temporarily recording the broadcast signal received by said broadcast signal reception means as broadcast data on a recording medium;  
communication means for transmitting request information to external apparatus at a certain interval of time to request broadcast information showing contents of said broadcast signal being received, and receiving the broadcast information which said external apparatus transmits in response to said request information;  
detection means for detecting whether or not said broadcast information received by said communication means includes said keyword; and  
control means for controlling said recording means to actually record said broadcast data on said recording medium such that a part of said broadcast data preliminarily recorded on said recording medium is actually recorded as front data, when said detection means detects that said broadcast information includes said keyword.
2. The recording apparatus according to claim 1, wherein if said detection means detects that said broadcast information received by said communication means does not include said keyword while

actually recording said broadcast data, said control means stops the actual recording of said broadcast data.

3. The recording apparatus according to claim 1, further comprising:

a timer for outputting present time; and

acquisition means for acquiring program guide data from external apparatus, said program guide data including a broadcast station name, a program name, a program start time and a program end time, wherein

said setting means sets the broadcast station name and the program name in addition to said keyword; and

said broadcast signal reception means retrieves the program start time and program end time corresponding to said set program name from said program guide data based on said set broadcast station name and program name, and tunes in on the broadcast station corresponding to said set broadcast station name when the output of said timer corresponds to said program start time.

4. The recording apparatus according to claim 1, wherein said recording means starts the preliminary recording of said broadcast data when said setting means sets the keyword, said broadcast data being recorded on said recording medium.

5. The recording apparatus according to claim 1, further comprising a timer for outputting present time, wherein

said control means specifies a front position of said front data of broadcast data preliminarily recorded on said recording

medium based on a content broadcast start time included in said broadcast information and the present time output from said timer, when said detection means detects that said broadcast information includes said keyword.

6. The recording apparatus according to claim 5, wherein said control means stops the actual recording of said broadcast data when a content broadcast end time included in said broadcast information corresponds to the present time output from said timer, said broadcast data being recorded on said recording medium by said recording means.

7. A recording method comprising:

a setting step of setting a keyword;

a broadcast signal reception step of receiving a broadcast signal broadcast from a broadcast station;

a preliminary recording step of preliminarily and temporarily recording the broadcast signal received by said broadcast signal reception step as broadcast data on a recording medium;

a communication step of transmitting request information to external apparatus at a certain interval of time to request broadcast information showing contents of said broadcast signal being received, and receiving the broadcast information which said external apparatus transmits in response to said request information;

a detection step of detecting whether or not said broadcast information received by said communication step includes said keyword; and

an actual recording step of actually recording said broadcast data on said recording medium such that a part of said broadcast data preliminarily recorded on said recording medium is actually recorded as front data, when said detection step detects that said broadcast information includes said keyword.

8. The recording method according to claim 7, wherein if said detection step detects that said broadcast information received by said communication step does not include said keyword while actually recording said broadcast data, said actual recording step stops the actual recording of said broadcast data.

9. The recording method according to claim 7, further comprising:

a time acquisition step of acquiring present time from a timer; and

an acquisition step of acquiring program guide data from external apparatus, said program guide data including a broadcast station name, a program name, a program start time and a program end time, wherein

said setting step sets the broadcast station name and the program name in addition to said keyword; and

said broadcast signal reception step retrieves the program start time and program end time corresponding to said set program name from said program guide data based on said set broadcast station name and program name, and tunes in on the broadcast station corresponding to said set broadcast station name when the present time acquired from said timer corresponds to said program

start time.

10. The recording method according to claim 7, wherein said preliminary recording step starts the preliminary recording of said broadcast data when said setting step sets the keyword, said broadcast data being recorded on said recording medium.

11. The recording method according to claim 7, further comprising a time acquisition step of acquiring present time from a timer, wherein

    said actual recording step specifies a front position of said front data of broadcast data preliminarily recorded on said recording medium based on a content broadcast start time included in said broadcast information and the present time acquired from said timer, when said detection step detects that said broadcast information includes said keyword.

12. The recording method according to claim 11, wherein said actual recording step stops the actual recording of said broadcast data when a content broadcast end time included in said broadcast information corresponds to the present time acquired from said timer, said broadcast data being recorded on said recording medium.

13. A recording program for causing information processing apparatus to execute:

    a setting step of setting a keyword;

    a broadcast signal reception step of receiving a broadcast signal broadcast from a broadcast station;

a preliminary recording step of preliminarily and temporarily recording the broadcast signal received by said broadcast signal reception step as broadcast data on a recording medium;

a communication step of transmitting request information to external apparatus at a certain interval of time to request broadcast information showing contents of said broadcast signal being received, and receiving the broadcast information which said external apparatus transmits in response to said request information;

a detection step of detecting whether or not said broadcast information received by said communication step includes said keyword; and

an actual recording step of actually recording said broadcast data on said recording medium such that a part of said broadcast data preliminarily recorded on said recording medium is actually recorded as front data, when said detection step detects that said broadcast information includes said keyword.